

MEMORANDUM OF UNDERSTANDING

BETWEEN



Mathura, UP 281406

AND



This Memorandum of Understanding (MOU) is made on this day, the **28th Nov 2018** between **GLA University**, (here after referred as Group) located at 17km Stone, NH-2, Mathura-Delhi Road P.O. Chaumuhan, Mathura-281 406 (U.P.) INDIA and **BENTLEY Institute**, Bentley systems India pvt ltd along with **SPA GEO technologies pvt ltd** located at 8A, 3rd floor, Mahaluxmi metro tower C2 Sector 4 Vaishali Ghaziabad 201010

Whereas

Group GLA university, aims to realize its objective of enhancing youth empowerment through technical education. This institute caters to various engineering disciplines, focusing on learning, industry engagement of students, innovative and inclusive pedagogy, and ethics.

Confidential Bentley

GLA University aims at effective transfer of knowledge, pursuit of truth and moulding the students to become ideal citizens of the country. Within a short span of time, the Institution has emerged to be one of the most preferred institutions for the engineering aspirants in Uttar Pradesh.

Bentley Institute is the global leader dedicated to providing architects, engineers, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for sustaining infrastructure. Founded in 1984, Bentley has more than 5,000 colleagues in 50 countries, more than \$800 million in annual revenues, and since 2005 has invested more than \$1 billion in research, development, and acquisitions.

SPA GEO Technologies Pvt. Limited, is geospatial solutions and service provider and Bentley Institute Authorised Training programs for Engineering Institutes. SPAGEO has signed partnership agreement with Bentley Systems International Ltd. as Bentley Institute Academic Service Partner. We will be delivering Bentley Institute Academic Courses at GLA university premises in collaboration to the GLA students with the objective to develop technical skill among GLA students and bridge the technical gap of demand and supply of engineering discipline industry. Training Programs / Courses will be conducted on STAAD.Pro, Microstation, ContextCapture, LUMNRT, Open Road Design, Open Rail, Haested, WaterGEMS and SewerGEMS and 50 other products of Bentley in engineering design and complete project lifecycle and Design, Construction, Operation, Management ecosystem. We will also be SPAGEO will also be working on existing GLA facilities for the GLA internship program and industrial training on various engineering discipline.

Objective:

The pure motto of this MOU is to provide a platform for GLA University graduates, who are perusing their career in the discipline of Civil engineering, to get trained and acquire the desired skillset on the technologies in demand of the concerned field.

SPA GEO is the implementation partner on Bentley Solutions, is an authorized channel Partner for Bentley Systems.

Bentley System is a market leader in the mentioned domain of Architecture, Engineering and Construction(AEC) and looks forward to development of skilled hands, in association with GLA University, on its software product family.

Bentley Institute has an academic bundle of 50+ software for students and hopes to fulfill the gap of academia and skilled required by the industry through its fulfilling partnership with GLA University. Bentley also aim to accomplish the following -

- a) To build Bentley Powered BIM Advancement lab at GLA University.
- b) To Train the Faculties through virtual Faculty Development Program
- c) To partner with GLA University for Events to improve Industry Institute collaboration.
- d) To be a technology partner for GLA University for projects undertaken by GLA University which implements BIM and Bentley technologies.
- e) To provide e- Learning facility for students
- f) To Train the Civil Engineering Students on technology used by the industry.
- g) To have Bentley Student & Faculty Ambassadors to represent the Institute.
- h) To make Students ready to participate in Bentley Student Design Competitions.

Scope of Engagement of this MOU -->>GLA University – SPA GEO technologies pvt ltd - Bentley Institute

Scope of Engagement: GLA

- BIM Advancement Lab launch at GLA
- Integrating Bentley software with course curriculum
- To work in tandem with the Bentley's industrial and domain experts to design an elective for the course of GLA University for the concerned departments of Civil Engineering
- Submission of Roaster/Details of students participating in any activities to Bentley
- To provide approximately 150+ entries for Bentley's global design competition every year from GLA University.

- Nominating two faculty and student ambassadors from GLA University.
- Hosting annual regional faculty development program at GLA University
- Students can act as Bentley Student Ambassador to bridge the gap between academic learning and the technology skills needed by industry.

Scope of Engagement: SPA GEO technologies pvt ltd

- SPA GEO technologies shall be responsible for setting up Bentley BIM Advancement Lab in the civil department and installing / licensing Bentley Academic Subscriptions on the computers identified by the Institution for training purpose.
- SPA GEO technologies shall support the execution by helping in Setting up the laboratory, licensing support, Installation support and providing Basic training post the setting up of laboratory.
- Through Bentley STUDNETserver, SPA GEO technologies will provide Student home use licenses for all the students undertaking the training.
- SPA GEO technologies shall issue "Bentley course completion Certificate" to each of the students after completing the course successfully.
- Project based Training will also be provided at specified cost by SPA GEO.
- Bentley STUDNETserver home use licenses will be provided for students on the module that they have learnt.

Scope of Engagement: Bentley Institute

- Empowering GLA University with Bentley solutions for setting up BIM Advancement LAB on campus
- Bentley Institute will join hand with Faculty development program for GLA University - once a year
- Bentley Certificate to all the training participating students.
- Certificate of coordination to all the faculty and students Ambassadors
- Orientation sessions on campus premises - once in six months
- Virtual sessions and Webinars on topics of concern - once a quarter
- Engagement with Faculty Ambassador(FA) and Student Ambassador(SA) for learning and development of skillset on campus
- Bentley team will join hands with Faculty Ambassadors of GLA University to add our solutions into the Academic curriculum

- Bentley technology State level design competition at GLA University campus – once a year
- Recommendation Letter to every active Student Ambassador.
- The Bentley STUDENTserver provides students with a variety of academic resources and gain access to online training
- Bentley Student Design Competition gives students an opportunity to explore the crucial and rewarding work of designing, building, operating and sustaining the world's infrastructure.

MOU Effective Date

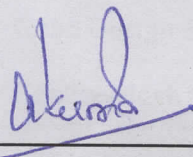
This MOU shall be in force for a period of **four academic years** from the date of signing and will be renewed / refreshed on mutually agreed terms and conditions. The agreement can be canceled from either sides, by giving written communication, two months in advance.

This Memorandum of Understanding shall be effective from the date of signing by all the parties.

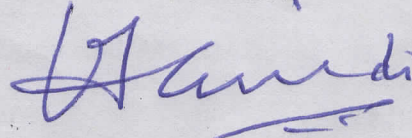
This Memorandum of Understanding is made on this day 28th November 2018

Designated Representatives

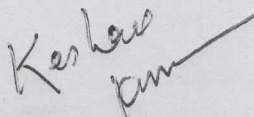
GLA University



BENTLEY INSTITUTE



SPA GEO Technologies Pvt. Limited.



EXECUTION TERMS ARE MENTIONED HERE UNDER

Execution support shall be extended by SPA GEO technologies in the following areas:

1. Support in setting up the Bentley Laboratory by means of providing necessary IT Support and Technical expertise.
2. Providing necessary licenses and Installation of Bentley products in the Laboratory.
3. Through Bentley STUDENTserver, SPA GEO technologies will provide Student home use licenses for all the students undertaking the training.

SPA GEO technologies shall also provide Paid Trainings if required on subsidized rates on BENTLEY Products at the above established laboratory. The details of the paid trainings are as below:

SR. NO.	COURSE TITLE	DURATION (HRS.)
1.	2D/ 3D Modeling using Microstation	12 Hours
2.	Structural Design & Analysis using Bentley STAAD.Pro	18 Hours
3.	Water Distribution design and Modeling using WaterCAD /WaterGEMS	12 Hours
4.	Sewer Design & Modeling using SewerCAD/SewerGEMS	12 Hours
5.	Road Design & Analysis using Open Road Design/ Open Rail/MXROAD	18 Hours
6.	Reality Mesh and 3d Modelling using Contextcapture	12 Hours
7.	Urban design and simulation using LUMNRT	12 Hours
8.	GIS maps preparation using Bentley MAP	18 Hours
9.	LIDAR Data processing	
10.	Digital Photogrammetry	
11.	<i>To be added for other software's</i>	